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AQUAPANEL®

Cement Board Outdoor

The ideal substrate for exterior walls in ventilated or water-managed (directly-applied) systems. Also for façade renovations and exterior ceiling applications.



AQUAPANEL® Cement Board Outdoor is a robust, non-combustible building panel made of aggregated Portland cement with coated glass fibre mesh embedded in back and front surfaces. It offers all the benefits of a dry panel system with the strength of brick and block.

The ends are cut square and edges are reinforced for extra strength (the EasyEdge™). The panel provides a solid base that withstands extreme weather conditions.

Physical properties

Width (mm)	900
Length (mm)	1200/1250/2400/2500
Thickness (mm)	12.5
Min. bending radius (m) for 900 mm wide board	3
Min. bending radius (m) for 300 mm wide strip	1
Weight (kg/m²)	approx. 16
Dry density (kg/m³)	approx. 1150
Flexural strength (N/mm²)	≥ 6.2
pH-value	12
Modulus of elasticity (N/mm²)	approx. 4000 - 7000
Thermal conductivity λ_k (W/(m·K))	0.36
Thermal expansion ($10^{-6}/K$)	7
Water vapour diffusion resistance μ (-)	19
Change in dimensions from dry to water-saturated (%)	0.1
Building Material Class	Non-combustible; A1 according to EN 13501

Characteristics

- Alternative to brick and block-work
- Weather and water-resistant
- Strong, robust, impact-resistant and non-flammable
- Can be cut to shape using "score and snap" technique
- Simple and easy to install
- Drylining for faster progress
- 3 metre bending radius

Application

AQUAPANEL® Cement Board Outdoor can be used for constructing exterior walls, exterior ceilings and soffits, and for renovating façades.

Handling and installation

Installation time - wall:
approx. 15 min/m² (including screws, joint tape and joint filler)
Installation time - ceiling:
approx. 18 min/m² (including screws, joint tape and joint filler)

Stud spacing

Wall: 600 (625) mm horizontal installation
Ceiling: 300 (312.5) mm

Transportation and storage

Always carry boards upright using a board trolley or on a pallet using a forklift truck. When setting the boards down, make sure that corners and edges are not damaged.

The supporting surface must be able to carry the weight of the boards. A pallet of AQUAPANEL® Cement Board Outdoor applies a floor loading of about 900 kg (as delivered).

AQUAPANEL® Cement Board Outdoor must be protected from the effects of moisture and weather before installation. Boards that have become damp must be dried on both sides before use.

Allow time for the boards to acclimatise to the ambient temperature and moisture conditions before installation. The material, ambient air and background temperature must not be below +5°C.

Method of delivery

- Number of boards:
50 pieces per pallet (900 x 1200); (900 x 1250)
25 pieces per pallet (900 x 2400); (900 x 2500)
- m² per pallet
900 x 1200, 900 x 2400: 54 m² per pallet
900 x 1250, 900 x 2500: 56,25 m² per pallet

Item codes:

83527 (900 x 1250)
49371 (900 x 2500)
63117 (900 x 1200)
50111 (900 x 2400)